# Digital Baby Monitor

**WIRELESS 2.4GHz DIGITAL BABY MONITOR**
**USER MANUAL**

### Congratulations

You have just purchased a qualified Wireless 2.4GHz Digital Baby Monitor. Please read this instruction carefully before using the product. Keep these instructions for future reference.


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## Parts and Quick Reference

Baby Unit

Parent Unit(built-in lithium battery)

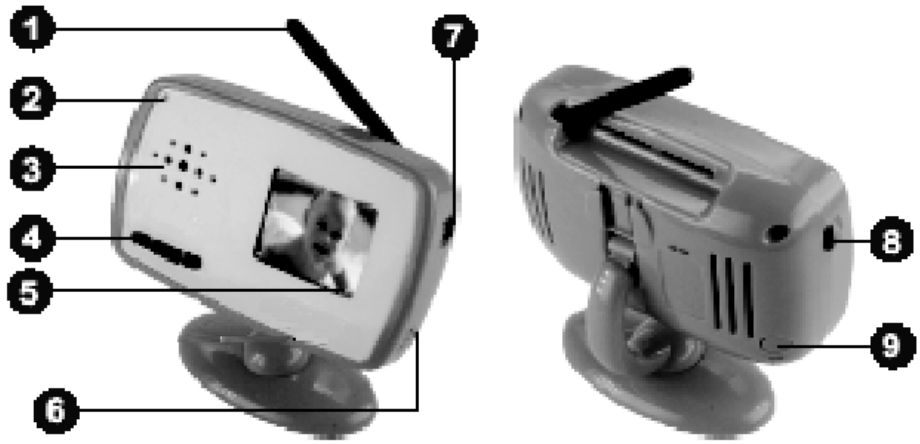
AC Adaptor
(for Parent Unit)

AC Adaptor
(for Baby Unit)

**Baby Unit:**

1. Antenna 2. Night Vision Infrared LED's 3. Microphone
4. Camera 5. Camera Rotation Handle 6. Power Indicator
7. Link Key 8. On/Off Switch 9. AC Adaptor Jack

**Parent Unit:**




1. Antenna 2. Power Indicator 3. Speaker
4. Control Key(◄/► / Menu key) 5. LCD Display
6. AC Adaptor Jack 7. On/Off Switch 8. VOX Switch 9. PTT Switch

**AC Adaptor:**

The AC Adaptor is device that allows you to power on the system with your household electricity. The adaptor can be separately connected to DC IN connectors of Parent Unit and Baby Unit. **Please be reminded to switch off the system before plugging or unplugging the adaptors.**

**CAUTION:** These adaptors are with exclusive design for this system. Please NEVER try to power up the system with different adaptors or use them for any other appliances.

## Safety Precautions

When using this unit, basic Safety Precautions should always be followed to reduce the risk of fire, electric shock, or personal injury.

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on this unit or mentioned in this operation instruction.
3. This product is not intended to replace adult supervision but assistant tool. It is important that users should stay within the communication range of the system all the times when using it.
4. This product intended for indoor use only. Outdoor use may damage the system.
5. It is essential to check reception regularly. Please see the reception section for complete instructions.
6. Never put the system near water, such as bathtub, bathroom sink, laundry tub, kitchen sink or in a wet basement, etc. Immersion of this unit in water could cause an electrical shock.
7. Place the unit securely on a stable surface. Serious damage and/or injury may result if the unit falls.
8. Do not cover slots and openings on the unit. They are provided for ventilation and protection against overheating.
9. Install the unit where no one can step or trip on the cord.
10. Never push any objects through slots in this unit. This may result in the risk of fire or electric shock. Never spill any liquid on the unit.
11. To reduce the risk of electric shock, do not disassemble this unit. Take the unit to authorized service center or qualified technician when service or repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the unit is subsequently used.
12. Do keep the system away from heat sources such as radiators, heat registers, stoves or other appliances producing heat. Also keep these components out of direct sunlight.
13. Always unplug the AC adaptors if not using the system for long periods of time.
14. The outer surface of the Baby Unit and Parent Unit can be cleaned with a cloth LIGHTLY dampened with water or a mild cleaning solution.

**WARNING:**

To reduce the risk of fire or electrical shock, do not expose this unit to rain or any type of moisture.

### Privacy Protection

Always remember that you are using public airwaves when you use the Wireless 2.4GHz Digital Baby Monitor. Sound and video may be broadcasted to other receiving devices. Conversations, even from rooms near the camera, may be broadcast as well.

CAUTION: To protect your privacy, always turn the system off when not in use. It is possible that the Parent Unit may be interfered from other devices in the 2.4GHz frequency range.

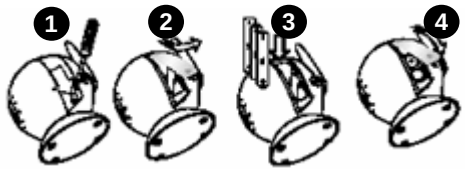
## Battery Installation

### Installation

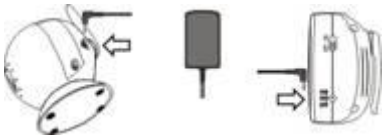
1. Remove screw by a screwdriver.

2. Open the battery door.
3. Insert 3 AA alkaline batteries into the Baby unit according to the polarity shown in the battery compartment.
4. Replace the battery door at the inclined angle, press down the screw and screw it up again.

**Baby Unit**




5. User can directly operate the unit by the supplied AC adaptor.



- Use only the AC adaptor included supplied.
- Unwrap and fully extend the AC adaptor cord.
- Plug AC adaptor into a standard wall outlet.
- Wrap up and secure any excess AC adaptor cord.

**Battery Tips:**

- If the product is not in use for a long time, disconnect both units from the household electrical outlet. And remove the batteries or the exhausted batteries from baby unit, otherwise battery leakage and corrosion can damage them.
- Dispose the battery safely.
- Non-rechargeable battery is not be recharged. It may have a fire.
- Rechargeable batteries are only to be charged under adult supervision.

***Warning!***

- The batteries shall not be exposed to excessive heat such as sunshine, fire or the like
- Danger of explosion if battery is incorrectly replaced. Dispose of used batteries according to the instructions. **Replace only with the same and equivalent type.**

## Color Index of Power Indicator

| Indication | Light Indicator | |
|---|---|---|
| | Parent unit | Baby unit |
| Normal Operation | Red lights of both parent and baby unit. | |
| Low battery | LCD battery icon shows red | Slow flashing green-orange light |
| In charging (Power Off) | Green light | N/A |
| In charging(Power On) | Flashing green-red light | |
| Pairing status | Select **pairing** option in main menu of parent unit | Flashing orange light |

**REMARK:**

**Baby unit:** When low battery, the power indicator will slowly flash green-orange light. Please change the battery.

**Parent** unit: When low battery, red icon will be shown on main screen of Parent unit. Please

change the battery or charge the assigned rechargeable batteries.

## Battery Status

**Charging the Batteries (only for Parent Unit)**

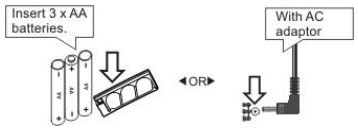
Please charge the rechargeable batteries for first time usage.

1. Use only the supplied AC adaptor for charging the assigned rechargeable batteries.
2. Plug into any nearby standard electrical outlet at home and charging automatically begins. The green light indicates charging status.
3. The charging time for completely empty batteries at about 8 hours while the parent unit is turned off.

## SIMPLE to OPERATE

Just switch on the baby and parent units, and adjust the preferable sound level.

**1** For Baby unit,connect with the AC Adaptor or install 3 x AA alkaline batteries.For parent unit,turn on directly.




**2** Turn on the Baby unit, then Parent unit.

Remarks: Default setting: Paring is auto-scanned.

*** For more detailed operation, please go to P.6 “Functions setup”**

## Reception Testing

Before using the Parent Unit or changing the location of the system, it is very important to test the video and sound reception:

**To test the video reception**

1. Place the Baby Unit in the most appropriate location. (e.g. on top of the table, mounting on the wall or ceiling)
2. Focus the camera lens towards the baby.
3. Check the video reception on screen of the Parent Unit and adjust the appropriate brightness level. (To adjust brightness, please see the “Functions Setup” section)

**To test the sound quality**

1. Speak in a whisper and with normal conversation sound level to Baby Unit.
2. Put the Parent Unit far away enough (at least 1m) from Baby Unit to prevent noise feedback.

3. Check the sound reception on speaker of the Parent Unit and adjust the appropriate volume. (To adjust volume, please see the “Functions Setup” section )

## Functions Setup

### A. Baby Monitor Functions Setup

**A1. Parent Unit Screen**

1. Signal 2. Parent unit Battery

**A2. Main Menu**

MAIN MENU
Volume 3
Brightness 3
Outdoor Mode 0
Pairing
Exit

Press MENU key to open main menu. Use ◄/► key to choose the options.

**A3. Functions Description**

**Note:** After finishing operation for each functions of main menu, to return to the live video(if available), select and press Exit ,parent unit will return to live video on its own.—**[ Use ◄/► key to select , MENU key to confirm ]**

**The below menu operating , use ◄/► key to select , MENU key to confirm**

**1. Volume**

1> Enter into main menu by pressing “MENU” key, press “◄“or“►” key to select Volume option, then confirm and enter Volume menu.
2> Press ◄/► key to minus/add the volume level from 1 to 6.Press MENU key to confirm.
3> Select EXIT option and press “MENU” key to the live video.

Remarks: 1 – the lowest ; 6 – the loudest

**2. Brightness**

1> Enter into main menu by pressing “MENU” key, press “◄“or“►” key to select Brightness option, then confirm and enter Brightness menu.
2> Press ◄/► key to adjust the brightness level from 1 to 5. Press MENU key to confirm.
3> Select EXIT option and press “MENU” key to the live video.

Remarks: 1 – the darkest .5 – the brightest ;

### 3. Outdoor Mode

1> Enter into main menu by pressing “MENU” key, press “◄“or“►” key to select Outdoor Mode option, then press MENU key to confirm and enter into Outdoor Mode menu.
2> Press ◄/► key to turn on or turn off Outdoor Mode. Press “◄” presenting ‘1’ which means the Outdoor mode is turned on. Press “►” presenting ‘0’ which means the Outdoor mode is turned off. Press MENU key to confirm.
3> Select EXIT option and press “MENU” key to the live video.

Remarks: Outdoor Mode is used when baby unit is placed in the outdoors.

### 4. Pairing

1> For Parent Unit, enter into main menu by pressing “MENU” key, then press “◄“or“►” key to select “Pairing” option and waiting.
2> For Baby Unit, press “LINK” key 3 seconds until orange light flashing.
3> Press “MENU” key of parent unit to confirm.
4> When pairing successfully, parent unit will return to live video on its own. Meanwhile, both parent and baby unit will flash red light.
5> When pairing unsuccessfully, LCD screen of parent unit will change to white screen. Pls repeat above steps.

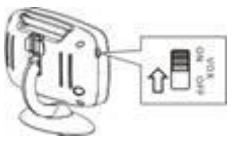
**Remarks:** Default setting: Paring is auto-scanned when turning on both units.

### A4.Music function:

1>At the live video, press “◄ “key to turn on music.
2>Press the key“►” to choose the music order as follows,music 1 ＞music 2 ＞.. music 6>cycle
3>Press “◄“ key under the status of music playing to exit music function.
Remarks:Music function is not available under the status of main menu

### B. Other functions

### B1. VOX



When turning on VOX, transmission will be activated ONLY if sound is detected by Baby unit. Parent unit can be wake up by a suddenly voice like baby crying. LCD screen would be turned off if no sound is detected by baby unit within 1 minute. Once the sound is detected, it will automatically turn on the LCD screen. This is also power saving feature.

### B2. Night Vision

When Baby unit is placed in a certain dark environment, parent unit will be switched to Night Vision function automatically. Parent unit can also receive image and sound. The image shows in white and black.

### B3. Lens Adjustment

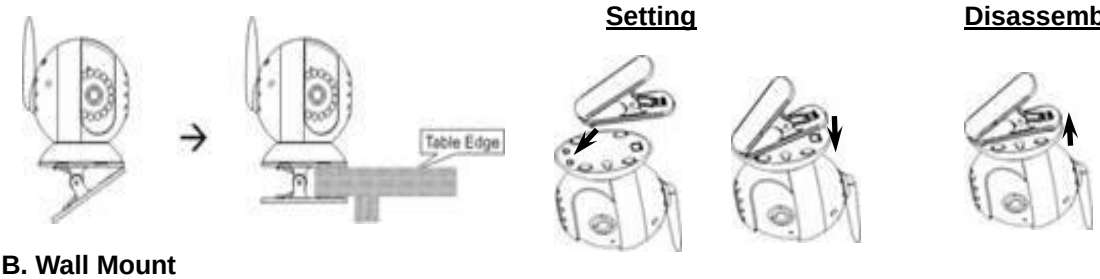
If the video of the mother unit is blurred, adjust the lens switch of the baby unit until the video reaches the best image quality. (See picture below)

## Location and Set Up

You can position and adjust the Baby Unit in a variety of ways to provide the best view of your baby. To optimize the performance, position the monitor unit 3 ft (1m) away from the baby.

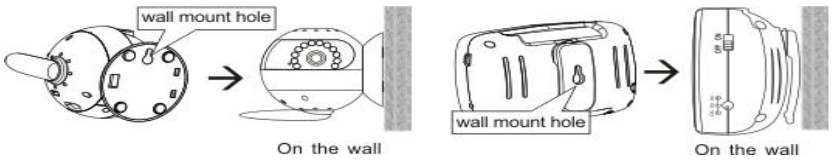
**A. Set up removable Mounting Clip (optional)**

The Baby Unit can be clip on the table edge by setting up the removable mounting clip. After inserting the mounting clip at the base bottom, user can easily fix the Baby Unit into different location. Setting and disassembly method are shown in the figure below.



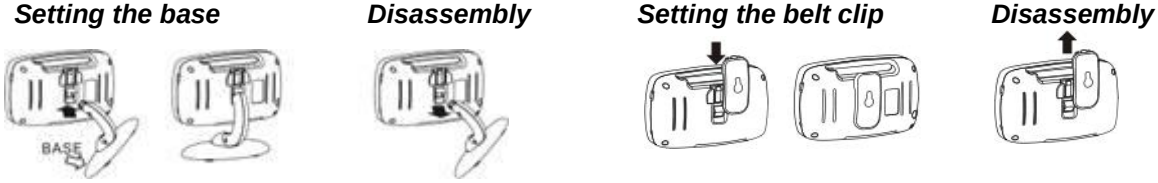

**B. Wall Mount**

User can mount the baby unit or the parent unit at wall or ceiling by the wall mount hole.




**C. Detachable and Rotary Base and Belt Clip(optional) for Parent Unit**

User can select rotary base or belt clip(optional) for parent unit according to different usage, such as user can bring the parent unit around the house with belt clip. Refer to the figure below:




Also you may adjust the supporting pole by max. 70° and optionally rotate base by 360°.

## Trouble Shooting

| Problem | Possible Cause | Solution |
|---|---|---|
| Power indicator LED does not light up | - Unit is not turned on. | - Slide the ON/OFF switch to the "ON" position |
| | - Power is switched off | - Make sure that power outlet is turned on. |
| | - Batteries may be used up | - Replace new batteries |
| | - AC Adaptor not properly connected. | - Check AC Adaptor jack-to-socket and plug-to-outlet connections. |
| No image or sound | - Wrong exposure level | - Adjust the exposure to the desired level. |
| | - Mode may be set to Video off /Sleep | - Set the Parent unit to Normal mode. |
| | - Maybe be set the video timeout duration / VOX ON | - Press any key on the Parent unit to turn into Normal mode / Select no timeout / VOX Off |
| | - Low volume level | - Adjust volume level to the desired level. |
| | - Signal interference due to other household appliance, cordless or cellular telephone and etc. | - Press the **LINK** key of baby unit and select **pairing** option in main menu of parent unit to scan the channel. |
| Image flickers | - Object is too closed to the Baby Unit | - Remove objects from the Baby Unit at about 1m. |
| | - Baby or Parent Unit near metal concentration. | - Test reception by moving the Baby Unit and / or Parent Unit to different locations throughout the house. |
| | - Signal interference due to other monitors, cordless or cellular telephones, etc. | - Press the **LINK** key of baby unit and select **pairing** option in main menu of parent unit to scan the channel..<br>- Identify and eliminate the source of interference. |
| Audio feedback (squealing) | - Distance between two units are too closed | - Keep away two units at about 1m |
| | - Volume is too high. | - Lower the volume |
| Dark image at Night | - Power is switched off | - Check the Baby Unit and/or Parent Unit power indicator. |
| | -Batteries may be used up. | - Check the connection of the adaptor and the Parent unit.<br>- Replace new batteries. |
| | - Exposure level is too high / low | - Adjust the Exposure level |
| Lose Link (No signal) | - Wrong channel | - Ensure both units have already scanned the corresponding channel. |

| | | |
|---|---|---|
| | - Baby unit is turned off.<br>- The units are detected out of communication range<br>- Baby unit is in low power. | - Turn on the Baby unit.<br>- Ensure both units are in the communication range.<br>- Replace new batteries or operated by the supplied adaptor. |

## Technical Specification

**Parent Unit**

1. operation voltage**:** DC 6V 650mA or 3 .7V lithium battery
2. Temperature Range : 0℃～50℃
3. Power consumption : ≤4W
   Operation Frequency: 2.4GHz～2.4835GHz
4. Max Range (clear line of sight) : up to 150m (in open area)
5. Resolution : 320×240 Pixel
6. Image Speed : < 12 films/second
7. LCD : 2.31” Color LCD
8. Size of Hand Held : 120 x 101 x 63mm

**Baby Unit**

1. Operation voltage : DC 6V 650mA or 3 x “AA” alkaline battery
2. Power Output : 20 dBm
3. Temperature Range : 0℃～50℃
4. Power consumption : ≤4W
   Operation Frequency : 2.4GHz～2.4835GHz
5. Mic Sensitivity : 1 to 2 meter
6. Size of Baby Unit : 129 × 88 x 83mm
7. Object Distance : 1-2m